

PRODUCTION OF DISPERSION LIQUID FOR PEARLY GLOSSING AGENT HAVING HIGH CONCENTRATION

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Abstract

PURPOSE: To easily obtain a liquid showing beautiful pearly gloss by mixing a dispersion liquid of fatty acid glycol ester to be used as crystal seeds and a solution of fatty acid glycol ester.

CONSTITUTION: A dispersion liquid of pearly glossing agent having low concn. is prepared so that the liquid contains 0.1 - 5wt.% fatty acid glycol ester as crystal seeds. And a high-concn. pearly solution is prepared so that the soln. contains 15 - 65wt.% fatty acid glycol ester and 13 - 60wt.% surfactant. Both liquids are mixed and aged at such temp. lower than the melting point of the fatty acid glycol ester and that the high-concn. soln. does not solidify but uniformly grows, and under the average shearing rate of $\leq 7 \text{ sec}^{-1}$. After the crystal seeds grow, the liquid is cooled under low shearing force. Thereby, a high-concn. dispersion liquid showing beautiful pearly gloss and having uniform crystal size and good dispersibility can easily and surely be obtained.

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